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((probability and valid and xml and schema and instance)) Published before December 2003 Terms used: **probability** **valid** **xml** **schema** **instance**	Found **29** of **82** searched **out of** **254,304.**

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1   Efficient filtering of XML documents with XPath expressions

C.-Y. Chan, P. Felber, M. Garofalakis, R. Rastogi
December 2002   The VLDB Journal — The International Journal on Very Large Data Bases, Volume 11 Issue 4
Publisher: Springer-Verlag New York, Inc.

Full text available: 🗎 Pdf (383.34 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 100, Citation Count: 16

The publish/subscribe paradigm is a popular model for allowing publishers (i.e., data generators) to selectively disseminate data to a large number of widely dispersed subscribers (i.e., data consumers) who have registered their interest in specific ...

Keywords: Data dissemination, Document filtering, Index structure, XML, XPath

2 Anatomy of a native XML base management system

T. Fiebig, S. Helmer, C.-C. Kanne, G. Moerkotte, J. Neumann, R. Schiele, T. Westmann
December   The VLDB Journal — The International Journal on Very Large Data
2002   Bases, Volume 11 Issue 4
Publisher: Springer-Verlag New York, Inc.

Full text available: pdf (300.97   Additional Information: full citation, abstract, references, cited by,
KB)   index terms

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 143, Citation Count: 25

Several alternatives to manage large XML document collections exist, ranging from
file systems over relational or other database systems to specifically tailored XML
base management systems. In this paper we give a tour of Natix, a database
management ...

Keywords: Database, XML

3 Query optimization for OLAP-XML federations

Dennis Pedersen, Karsten Riis, Torben Bach Pedersen
November   DOLAP '02: Proceedings of the 5th ACM international workshop on Data
2002   Warehousing and OLAP
Publisher: ACM

Full text available: pdf (205.89   Additional Information: full citation, abstract, references, cited by,
KB)   index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 83, Citation Count: 3

The changing data requirements of today's dynamic business environments are not
handled well by current OLAP systems. Physically integrating unexpected data into
such systems is a long and time-consuming process making logical integration, i.e.,
federation, ...

Keywords: OLAP, XML, database federations, query optimization

4 Algorithms and programming models for efficient representation of XML for
Internet applications

Neel Sundaresan, Reshad Moussa
April   WWW '01: Proceedings of the 10th international conference on World Wide
2001   Web
Publisher: ACM

Full text available: pdf (352.97
KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 73, Citation Count: 6

Keywords: DOM, SAX, WBXML, XML, compression

5   A survey of approaches to automatic schema matching

Erhard Rahm, Philip A. Bernstein
December   The VLDB Journal — The International Journal on Very Large Data
2001   Bases,   Volume 10 Issue 4
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (196.22 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 30,   Downloads (12 Months): 226,   Citation Count: 202

Schema matching is a basic problem in many database application domains, such as data integration, E-business, data warehousing, and semantic query processing. In current implementations, schema matching is typically performed manually, which has significant ...

Keywords: Graph matching, Machine learning, Model management, Schema integration, Schema matching

6   Managing security policies in a distributed environment using eXtensible markup language (XML)

Nathan N. Vuong, Geoffrey S. Smith, Yi Deng
March   SAC '01: Proceedings of the 2001 ACM symposium on Applied computing
2001
Publisher: ACM

Full text available: Pdf (206.91 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 68,   Citation Count: 4

Keywords: Java, RBAC, XML, distributed authorization, managing security policies, meta-language

7   Views in a large-scale XML repository

Vincent Aguilera, Sophie Cluet, Tova Milo, Pierangelo Veltri, Dan Vodislav
November   The VLDB Journal — The International Journal on Very Large Data
2002   Bases,   Volume 11 Issue 3
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (241.60 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 49,   Citation Count: 5

We are interested in defining and querying views in a huge and highly heterogeneous XML repository (Web scale). In this context, view definitions are very large, involving lots of sources, and there is no apparent limitation to their size. This raises ...

Keywords: Query evaluation, Semantic integration, Views, Warehouse, XML

8 Efficient ordering for XML data

Damien K. Fisher, Franky Lam, William M. Shui, Raymond K. Wong
November   CIKM '03: Proceedings of the twelfth international conference on
2003   Information and knowledge management
Publisher: ACM

Full text available: Pdf (127.44   Additional Information: full citation, abstract, references, cited by,
KB)   index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 76, Citation Count: 2

With the increasing popularity of XML, there arises the need for managing and
querying information in this form. Several query languages, such as XQuery, have
been proposed which return their results in document order. However, most recent
efforts focused ...

Keywords: XML, dynamic, order maintenance, semi-structured data

9 Effective structural inference for large XML documents

Jason Sankey, Raymond K. Wong
August   Proceedings of the 19th international conference on Computational
2002   linguistics - Volume 1, Volume 1
Publisher: Association for Computational Linguistics

Full text available: Pdf (160.03   Additional Information: full citation, abstract, references
KB)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 10, Citation Count: 0

This paper investigates methods to automatically infer structural information from
large XML documents. Using XML as a reference format, we approach the schema
generation problem by application of inductive inference theory. In doing so, we
review and ...

10 Methods for the semantic analysis of document markup

Petra Saskia Bayerl, Harald Lüngen, Daniela Goecke, Andreas Witt, Daniel Naber
November   DocEng '03: Proceedings of the 2003 ACM symposium on Document
2003   engineering
Publisher: ACM

Full text available: Pdf (230.61   Additional Information: full citation, abstract, references, index terms
KB)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 52, Citation Count: 1

We present an approach on how to investigate what kind of semantic information is
regularly associated with the structural markup of scientific articles. This approach
addresses the need for an explicit formal description of the semantics of text-
oriented ...

Keywords: XML, information extraction, prolog, semantic analysis

11 XIRQL: a query language for information retrieval in XML documents

Norbert Fuhr, Kai Großjohann

September 2001   SIGIR '01: Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available: Pdf (234.90 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 84,   Citation Count: 49

Based on the document-centric view of XML, we present the query language XIRQL. Current proposals for XML query languages lack most IR-related features, which are weighting and ranking, relevance-oriented search, datatypes with vague predicates, and ...

12 Constructing a virtual primary key for fingerprinting relational data

Yingjiu Li, Vipin Swarup, Sushil Jajodia

October 2003   DRM '03: Proceedings of the 3rd ACM workshop on Digital rights management

Publisher: ACM

Full text available: Pdf (240.49 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 79,   Citation Count: 6

Agrawal and Kiernan's watermarking technique for database relations [1] and Li et al's fingerprinting extension [6] both depend critically on primary key attributes. Hence, those techniques cannot embed marks in database relations without primary key ...

Keywords: fingerprinting, primary keys, relational databases, robustness

13 Quality of service in an information economy

R. Braumandl, A. Kemper, D. Kossmann

November 2003   ACM Transactions on Internet Technology (TOIT),   Volume 3 Issue 4

Publisher: ACM

Full text available: Pdf (829.15 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 162,   Citation Count: 6

Accessing and processing distributed data sources have become important factors for businesses today. This is especially true for the emerging virtual enterprises with their data and processing capabilities spread across the Internet. Unfortunately, ...

Keywords: Quality of Service

14 Locating data sources in large distributed systems

Leonidas Galanis, Yuan Wang, Shawn R. Jeffery, David J. DeWitt
September   VLDB '2003: Proceedings of the 29th international conference on
2003   Very large data bases - Volume 29,   Volume 29
Publisher: VLDB Endowment

Full text available: Pdf (129.35   Additional Information: full citation, abstract, references, cited by,
KB)   index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 42,   Citation Count: 1

Querying large numbers of data sources is gaining importance due to increasing
numbers of independent data providers. One of the key challenges is executing
queries on all relevant information sources in a scalable fashion and retrieving fresh
results. ...

15 DBGlobe: a service-oriented P2P system for global computing

Evaggelia Pitoura, Serge Abiteboul, Dieter Pfoser, George Samaras, Michalis Vazirgiannis
September   ACM SIGMOD Record,   Volume 32 Issue 3
2003
Publisher: ACM

Full text available: Pdf (282.99   Additional Information: full citation, abstract, references, cited by
KB)

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 57,   Citation Count: 4

The challenge of peer-to-peer computing goes beyond simple file sharing. In the
DBGlobe project, we view the multitude of peers carrying data and services as a
superdatabase. Our goal is to develop a data management system for modeling,
indexing and ...

Keywords: global computing, metadata, peer-to-peer computing, peer-to-peer
databases, pervasive computing, services, ubiquitous computing

16 An integrated architecture for shallow and deep processing

Berthold Crysmann, Anette Frank, Bernd Kiefer, Stefan Müller, Günter Neumann, Jakub
Piskorski, Ulrich Schäfer, Melanie Siegel, Hans Uszkoreit, Feiyu Xu, Markus Becker, Hans-
Ulrich Krieger
July   ACL '02: Proceedings of the 40th Annual Meeting on Association for
2001   Computational Linguistics
Publisher: Association for Computational Linguistics

Full text available: Pdf (120.20   Additional Information: full citation, abstract, references, cited by
KB)

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 26,   Citation Count: 6

We present an architecture for the integration of shallow and deep NLP components which is aimed at flexible combination of different language technologies for a range of practical current and future applications. In particular, we describe the integration ...

17 Learning to match ontologies on the Semantic Web

AnHai Doan, Jayant Madhavan, Robin Dhamankar, Pedro Domingos, Alon Halevy
November   The VLDB Journal — The International Journal on Very Large Data
2003   Bases, Volume 12 Issue 4
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (263.63 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 311, Citation Count: 18

On the Semantic Web, data will inevitably come from many different ontologies, and information processing across ontologies is not possible without knowing the semantic mappings between them. Manually finding such mappings is tedious, error-prone, and ...

Keywords: Machine learning, Ontology matching, Relaxation labeling, Semantic Web

18 The chatty web: emergent semantics through gossiping

Karl Aberer, Philippe Cudré-Mauroux, Manfred Hauswirth
May   WWW '03: Proceedings of the 12th international conference on World Wide
2003   Web
Publisher: ACM

Full text available: Pdf (237.35 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 71, Citation Count: 14

This paper describes a novel approach for obtaining semantic interoperability among data sources in a bottom-up, semi-automatic manner without relying on pre-existing, global semantic models. We assume that large amounts of data exist that have been ...

Keywords: self-organization, semantic agreements, semantic integration

19 Automatic segmentation of text into structured records

Vinayak Borkar, Kaustubh Deshmukh, Sunita Sarawagi
June   ACM SIGMOD Record, Volume 30 Issue 2
2001
Publisher: ACM

Full text available: Pdf (331.70 KB)   Additional Information:

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 220, Citation Count: 25

In this paper we present a method for automatically segmenting unformatted text records into structured elements. Several useful data sources today are human-generated as continuous text whereas convenient usage requires the data to be organized as structured ...

20 SemTag and seeker: bootstrapping the semantic web via automated semantic annotation

Stephen Dill, Nadav Eiron, David Gibson, Daniel Gruhl, R. Guha, Anant Jhingran, Tapas Kanungo, Sridhar Rajagopalan, Andrew Tomkins, John A. Tomlin, Jason Y. Zien
May   WWW '03: Proceedings of the 12th international conference on World Wide
2003   Web
Publisher: ACM

Full text available: Pdf (178.36 KB)   Additional Information:

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 273, Citation Count: 43

This paper describes Seeker, a platform for large-scale text analytics, and SemTag, an application written on the platform to perform automated semantic tagging of large corpora. We apply SemTag to a collection of approximately 264 million web pages, ...

Keywords: automated semantic tagging, data mining, information retrieval, large text datasets, text analytics

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